

09-10-2001

Form PTO-1594 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)

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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Silicon Valley Bank

09/04/01

- Individual(s) Association General Partnership Limited Partnership Corporation-State California Other

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Virus Research Institute, Inc.

Internal Address:

Street Address: 61 Moulton St.

City: Cambridge State: MA Zip: 02138

- Individual(s) citizenship Association General Partnership Limited Partnership Corporation-State Delaware Other

If assignee is not domiciled in the United States, a domestic representative designation is attached: Yes No (Designations must be a separate document from assignment) Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger Security Agreement Change of Name Other

Execution Date: 22-April-1996

4. Application number(s) or registration number(s):

A. Trademark Application No.(s) 75/455,135 75/455,144 75/520,891 75/520,892

B. Trademark Registration No.(s)

Additional number(s) attached Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Leon R. Yankwich

Internal Address: Yankwich & Associates

Street Address: 130 Bishop Allen Drive

City: Cambridge State: Mass. Zip: 02139

6. Total number of applications and registrations involved:

4

7. Total fee (37 CFR 3.41) \$ 160.00

- Enclosed Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Leon R. Yankwich

Name of Person Signing

Signature: Leon R. Yankwich

Date: 8-30-2001

Date

Total number of pages including cover sheet, attachments, and document: 15

All documents to be recorded with required cover sheet information to: Commissioner of Patent & Trademarks, Box Assignments Washington, D.C. 20231

09/10/2001 LMUELLER 00000038 75455135

01 FC:481 40.00 DP 02 FC:482 75.00 DP

Refund Ref: 09/10/2001 LMUELLER 0000105503

CHECK Refund Total: \$45.00

TRADEMARK REEL: 002364 FRAME: 0065

RELEASE OF SECURITY AGREEMENT COVERING
INTERESTS IN PATENTS

Silicon Valley Bank ("Secured Party"), hereby releases its security interest in the interests of Virus Research Institute, Inc. ("Assignor") in the patented works set forth in that certain Collateral Assignment, Patent Mortgage and Security Agreement dated April 2, 1996, executed by Assignor in favor of Secured Party recorded with the United States Department of Commerce, Patent and Trademark Office on April 22, 1996, Reel 7922, Frame(s) 0303

Dated: April 22, 1996

SILICON VALLEY BANK

By: Maggie Garcia
Name: Maggie Garcia
Title: Loan Admin. Team Leader

Exhibit "A" attached to that certain Collateral Assignment, Patent Mortgage and Security Agreement dated April, 2, 1996

**EXHIBIT "A"
COPYRIGHTS**

SCHEDULE A - ISSUED COPYRIGHTS

<u>COPYRIGHT DESCRIPTION</u>	<u>REGISTRATION NUMBER</u>	<u>DATE OF ISSUANCE</u>
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None

SCHEDULE B - PENDING COPYRIGHT APPLICATIONS

<u>COPYRIGHT DESCRIPTION</u>	<u>APPLICATION NUMBER</u>	<u>DATE OF FILING</u>	<u>DATE OF CREATION</u>	<u>FIRST DATE OF PUBLIC DISTRIBUTION</u>
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None

SCHEDULE C - UNREGISTERED COPYRIGHTS (Where No Copyright Application is Pending)

<u>NUMBER</u>	<u>DATE AND RECORDATION</u>	<u>ORIGINAL AUTHOR OR OWNER OF</u>	<u>OF ASSIGNMENT TO ASSIGNOR (IF ORIGINAL AUTHOR</u>
<u>OR</u>	<u>FIRST DATE</u>	<u>COPYRIGHT</u>	<u>OWNER OF</u>
<u>COPYRIGHT DESCRIPTION</u>	<u>DATE OF CREATION</u>	<u>OF DISTRIBUTION (IF DIFFERENT FROM ASSIGNOR)</u>	<u>(IF DIFFERENT FROM ASSIGNOR)</u>

None

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**PATENT 4
REEL: 7922 FRAME: 0304**

Exhibit "B" attached to that certain Collateral Assignment, Patent Mortgage and Security Agreement dated April 2, 1996

EXHIBIT "B"
PATENTS

PATENT DESCRIPTION DOCKET NO. COUNTRY SERIAL NO. FILING DATE STATUS				
Hydrogel Microencapsulated Vaccines Andrianov, Jenkins, Payne, Roberts VFI100 (Notice of Allowance received)	USA	USSN 1147,781	November 4, 1995	
Hydrophobic Polymeric Microparticles Andrianov, Linger VFI101 Patent # 5,500,181 (Issued: March 19, 1996)	USA	USSN 08/124,818	September 21, 1993	
Phosphazene Polyelectrolytes as Immunoadjuvants VFI102 Patent # 5,584,673 (Joint Interest with MIT) (Issued: February 27, 1996)	USA	USSN 08/000,841	February 27, 1996	
Phosphazene Polyelectrolyte Immunoadjuvants VFI103 Andrianov, Payne, Sargent, Sub (Pending)	USA	USSN 08/476,562	June 7, 1995	
HIV-1 Prophylactic Composition and Method Liu, Payne, Jenkins, Roberts (Pending)	USA	USPN 08/474,445	June 7, 1995	
Treatment and/or Prevention of <i>H. pylori</i> Infection Klees, et al (Pending)	USA	USSN 08/484,129	June 7, 1995	

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PATENT
REEL: 7922 FRAME: 0305

TRADEMARK
REEL: 002364 FRAME: 0068

Exhibit "C" attached to that certain Collateral Assignment, Patent Mortgage and Security Agreement dated April 2, 1996.

EXHIBIT "C"
TRADEMARKS

TRADEMARK DESCRIPTION	COUNTRY	SERIAL NO.	REG. NO.	STATUS
MICROMERT™	USA		Unregistered	New application filed 3/18/96
ADJUMERT™	USA		Unregistered	New application filed 3/18/96
ISOGENETIC™	USA	74/589348	Unregistered	Notice of Allowance dated 8/18/95
VIBRIOVEC™	USA	74/661775	Unregistered	Notice of Allowance dated 2/27/96
VIBRIOVAX™	USA	74/654211	Unregistered	Notice of Allowance dated 2/6/96

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Revised 9-22-94

PATENT #
REEL: 7922 FRAME: 0306

TRADEMARK
REEL: 002364 FRAME: 0069

COLLATERAL ASSIGNMENT, PATENT MORTGAGE AND SECURITY AGREEMENT

This Collateral Assignment, Patent Mortgage and Security Agreement is made as of the 2nd day of April, 1996 by and between Virus Research Institute, Inc. ("Assignor"), and Silicon Valley Bank, a California banking corporation ("Assignee").

RECITALS

A. Assignee has agreed to lend or has lent to Assignor certain funds (the "Loan"), pursuant to a Letter Agreement of even date (the "Loan Agreement") and Assignor desired to borrow such funds from Assignee. The Loan is or will be evidenced by one or more promissory notes (a "Note" or, collectively, the "Notes") and is or will be secured in part pursuant to the terms of a Commercial Security Agreement of even date (the "Security Agreement").

B. In order to induce Assignee to make or amend the terms of the Loan, Assignor has agreed to assign certain intangible property to Assignee for purposes of securing the obligations of Assignor to Assignee.

NOW, THEREFORE, THE PARTIES HERETO AGREE AS FOLLOWS:

1. Assignment, Patent Mortgage and Grant of Security Interest. As collateral security for the prompt and complete payment and performance of all of Assignor's present or future indebtedness, obligations and liabilities to Assignee, Assignor hereby assigns, transfers, conveys and grants a security interest and mortgage to Assignee, as security, but not as an ownership interest in and to Assignor's entire right, title and interest in, to and under the following (all of which shall collectively be called the "Collateral"):

(a) Any and all copyright rights, copyright applications, copyright registrations and like protections in each work or authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held, including without limitation those set forth on Exhibit A attached hereto (collectively, the "Copyrights");

(b) Any and all trade secrets, and any and all intellectual property rights in computer software and computer software products now or hereafter existing, created, acquired or held;

(c) Any and all design rights which may be available to Assignor now or hereafter existing, created, acquired or held;

(d) All patents, patent applications and like protections including, without limitation, improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the same, including without limitation the patents and patent applications set forth on Exhibit B attached hereto (collectively, the "Patents");

(e) Any trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Assignor connected with and symbolized by such trademarks, including without limitation those set forth on Exhibit C attached hereto (collectively, the "Trademarks")

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REEL: 7922 FRAME: 0307

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(f) Any and all claims for damages by way of past, present and future infringements of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(g) All licenses or other rights to use any of the Copyrights, Patents or Trademarks, and all license fees and royalties arising from such use to the extent permitted by such license or rights; and

(h) All amendments, extensions, renewals and extensions of any of the Copyrights, Trademarks or Patents; and

(i) All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

THE INTEREST IN THE COLLATERAL BEING ASSIGNED HEREUNDER SHALL NOT BE CONSTRUED AS A CURRENT ASSIGNMENT, BUT AS A CONTINGENT ASSIGNMENT TO SECURE ASSIGNOR'S OBLIGATIONS TO ASSIGNEE UNDER THE NOTE AND THE LOAN AGREEMENT.

2. Authorization and Request. Assignor authorizes and requests that the Register of Copyrights and the Commissioner of Patents and Trademarks record this conditional assignment.

3. Covenants and Warranties. Assignor represents, warrants, covenants and agrees as follows:

(a) Assignor is now the sole owner of the Collateral, except for non-exclusive licenses granted by Assignor to its customers in the ordinary course of business.

(b) Performance of this Assignment does not conflict with or result in a breach of any agreement to which Assignor is bound, except to the extent that certain intellectual property agreements prohibit the assignment of the rights thereunder to a third party without the licensor's or other party's consent and this Assignment constitutes an assignment.

(c) During the term of this Agreement, Assignor will not transfer or otherwise encumber any interest in the Collateral, except for non-exclusive licenses granted by Assignor in the ordinary course of business or as set forth in this Assignment;

(d) To its knowledge, each of the Patents is valid and enforceable, and no part of the Collateral has been judged invalid or unenforceable, in whole or in part, and no claim has been made that any part of the Collateral violates the rights of any third party;

(e) Assignor shall promptly advise Assignee of any material adverse change in the composition of the Collateral, including but not limited to any subsequent ownership right of the Assignor in or to any Trademark, Patent or Copyright not specified in this Assignment;

(f) Assignor shall (i) protect, defend and maintain the validity and enforceability of the Trademarks, Patents and Copyrights, (ii) use its best efforts to detect infringements of the Trademarks, Patents and Copyrights and promptly advise Assignee in writing of material infringements detected and (iii) not allow any Trademarks, Patents, or Copyrights to be abandoned, forfeited or dedicated to the public without the written consent of Assignee, which shall not be unreasonably withheld unless Assignor determines that reasonable business practices suggest that abandonment is appropriate.

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(g) Assignor shall promptly register the most recent version of any of Assignor's Copyrights, if not so already registered, and shall, from time to time, execute and file such other instruments, and take such further actions as Assignee may reasonably request from time to time to perfect or continue the perfection of Assignee's interest in the Collateral;

(h) This Assignment creates, and in the case of after acquired Collateral, this Assignment will create at the time Assignor first has rights in such after acquired Collateral, in favor of Assignee a valid and perfected first priority security interest in the Collateral in the United States securing the payment and performance of the obligations evidenced by the Note upon making the filings referred to in clause (i) below:

(i) To its knowledge, except for, and upon, the filing with the United States Patent and Trademark office with respect to the Patents and Trademarks and the Register of Copyrights with respect to the Copyrights necessary to perfect the security interests and assignment created hereunder and except as has been already made or obtained, no authorization, approval or other action by, and no notice to or filing with, any U.S. governmental authority of U.S. regulatory body is required either (i) for the grant by Assignor of the security interest granted hereby or for the execution, delivery or performance of this Assignment by Assignor in the U.S. or (ii) for the perfection in the United States or the exercise by Assignee of its rights and remedies thereunder;

(j) All information heretofore, herein or hereafter supplied to Assignee by or on behalf of Assignor with respect to the Collateral is accurate and complete in all material respects.

(k) Assignor shall not enter into any agreement that would materially impair or conflict with Assignor's obligations hereunder without Assignee's prior written consent, which consent shall not be unreasonably withheld. Assignor shall not permit the inclusion in any material contract to which it becomes a party of any provisions that could or might in any way prevent the creation of a security interest in Assignor's rights and interest in any property included within the definition of the Collateral acquired under such contracts, except that certain contracts may contain anti-assignment provisions that could in effect prohibit the creation of a security interest in such contracts.

(l) Upon any executive officer of Assignor obtaining actual knowledge thereof, Assignor will promptly notify Assignee in writing of any event that materially adversely affects the value of any material Collateral, the ability of Assignor to dispose of any material Collateral of the rights and remedies of Assignee in relation thereto, including the levy of any legal process against any of the Collateral.

4. Assignee's Rights. Assignee shall have the right, but not the obligation, to take, at Assignor's sole expense, any actions that Assignor is required under this Assignment to take but which Assignor fails to take, after fifteen (15) days' notice to Assignor. Assignor shall reimburse and indemnify Assignee for all reasonable costs and reasonable expenses incurred in the reasonable exercise of its rights under this section 4.

5. Inspection Rights. Assignor hereby grants to Assignee and its employees, representatives and agents the right to visit, during reasonable hours upon prior reasonable written notice to Assignor, and any of Assignor's plants and facilities that manufacture, install or store products (or that have done so during the prior six-month period) that are sold utilizing any of the Collateral, and to inspect the products and quality control records relating thereto upon reasonable written notice to Assignor and as often as may be reasonably requested, but not more than one (1) in every six (6) months; provided, however, nothing herein shall entitle Assignee access to Assignor's trade secrets and other proprietary information.

6. Further Assurances: Attorney in Fact

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(a) On a continuing basis, Assignor will, subject to any prior licenses, encumbrances and restrictions and prospective licenses, make, execute, acknowledge and deliver, and file and record in the proper filing and recording places in the United States, all such instruments, including appropriate financing and continuation statements and collateral agreements and filings with the United States Patent and Trademarks Office and the Register of Copyrights, and take all such action as may reasonably be deemed necessary or advisable, or as requested by Assignee, to perfect Assignee's security interest in all Copyrights, Patents and Trademarks and otherwise to carry out the intent and purposes of this Collateral Assignment, or for assuring and confirming to Assignee the grant or perfection of a security interest in all Collateral.

(b) Assignor hereby irrevocably appoints Assignee as Assignor's attorney-in-fact, with full authority in the place and stead of Assignor and in the name of Assignor, Assignee or otherwise, from time to time in Assignee's discretion, upon Assignor's failure or inability to do so, to take any action and to execute any instrument which Assignee may deem necessary or advisable to accomplish the purposes of this Collateral Assignment, including:

(i) To modify, in its sole discretion, this Collateral Assignment without first obtaining Assignor's approval of or signature to such modification by amending Exhibit A, Exhibit B and Exhibit C hereof, as appropriate, to include reference to any right, title or interest in any Copyrights, Patents or Trademarks acquired by Assignor after the execution hereof or to delete any reference to any right, title or interest in any Copyrights, Patents or Trademarks in which Assignor no longer has or claims any right, title or interest; and

(ii) To file, in its sole discretion, one or more financing or continuation statements and amendments thereto, relative to any of the Collateral without the signature of Assignor where permitted by law.

7. Events of Default. The occurrence of any of the following shall constitute an Event of Default under the Assignment:

- (a) An Event of Default occurs under the Loan Agreement or any Note; or
- (b) Assignor breaches any warranty or agreement made by Assignor in this

Assignment

8. Remedies. Upon the occurrence and continuance of an Event of Default, Assignee shall have the right to exercise all the remedies of a secured party under the California Uniform Commercial Code, including without limitation the right to require Assignor to assemble the Collateral and any tangible property in which Assignee has a security interest and to make it available to Assignee at a place designated by Assignee. Assignee shall have a nonexclusive, royalty free license to use the Copyrights, Patents and Trademarks to the extent reasonably necessary to permit Assignee to exercise its rights and remedies upon the occurrence of an Event of Default. Assignor will pay any expenses (including reasonable attorney's fees) incurred by Assignee in connection with the exercise of any of Assignee's rights hereunder, including without limitation any expense incurred in disposing of the Collateral. All of Assignee's rights and remedies with respect to the Collateral shall be cumulative.

9. Indemnity. Assignor agrees to defend, indemnify and hold harmless Assignee and its officers, employees, and agents against: (a) all obligations, demands, claims, and liabilities claimed or asserted by any other party in connection with the transactions contemplated by this Agreement, and (b) all losses or expenses in any way suffered, incurred, or paid by Assignee as a result of or in any way arising out

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of, following or consequential to transactions between Assignee and Assignor, whether under this Assignment or otherwise (including without limitation, reasonable attorneys fees and reasonable expenses), except for losses arising from or out of Assignee's gross negligence or willful misconduct.

10. **Reassignment.** At such time as Assignor shall completely satisfy all of the obligations secured hereunder, Assignee shall execute and deliver to Assignor all deed, assignments, and other instruments as may be necessary or proper to reinvest in Assignor full title to the property assigned hereunder, subject to any disposition thereof which may have been made by Assignee pursuant hereto.

11. **Course of Dealing.** No course of dealing, nor any failure to exercise, nor any delay in exercising any right, power or privilege hereunder shall operate as a waiver thereof.

12. **Attorneys' Fees.** If any action relating to this Assignment is brought by either party hereto against the other party, the prevailing party shall be entitled to recover reasonable attorneys fees, costs and disbursements.

13. **Amendments.** This Assignment may be amended only by a written instrument signed by both parties hereto.

14. **Counterparts.** This Assignment may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute the same instrument.

15. **Governing Law and Jurisdiction.** This Assignment shall be governed by the laws of the Commonwealth of Massachusetts, without regard for choice of law provisions. Assignor and Assignee consent to the nonexclusive jurisdiction of any state or federal court of competent jurisdiction in the Commonwealth of Massachusetts in any action, suit, or proceeding of any kind against it which arises out of or by reason of this Assignment, provided, however, that if for any reason Assignee cannot avail itself of the courts of the Commonwealth of Massachusetts, then venue shall lie in Santa Clara County, California.

16. **Confidentiality.** In handling any confidential information, Assignee shall exercise the same degree of care that it exercises with respect to its own proprietary information of the same types to maintain the confidentiality of any non-public information thereby received or received pursuant to this Assignment except that the disclosure of this information may be made (i) to the affiliates of the Assignee, (ii) to prospective transferee or purchasers of an interest in the obligations secured hereby, provided that they have entered into comparable confidentiality agreement in favor of Assignor and have deliver a copy to Assignor, (iii) as required by law, regulation, rule or order, subpoena judicial order or similar order and (iv) as may be required in connection with the examination, audit or similar investigation of Assignee.

IN WITNESS WHEREOF, the parties hereto have executed this Assignment on the day and year first above written.

Address of Assignor:

61 Moulton Street
Cambridge, MA 02138

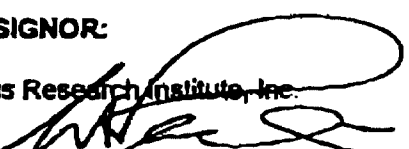
ASSIGNOR:

Virus Research Institute, Inc.

By:

Name:

Title:


WILLIAM A. PACKER
PRESIDENT

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Revised 9-22-94

PATENT
REEL: 7922 FRAME: 0311

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REEL: 002364 FRAME: 0074

ALL-PURPOSE ACKNOWLEDGEMENT

State of Massachusetts
County of Middlesex

CAPACITY CLAIMED BY SIGNER

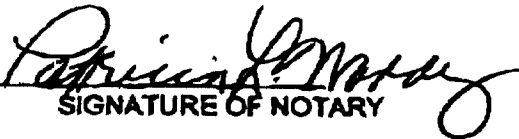
- INDIVIDUAL(S)
- CORPORATE OFFICER(S) PRESIDENT
- TITLE(S)
- PARTNER(S)
- ATTORNEY-IN-FACT
- TRUSTEE(S)
- SUBSCRIBING WITNESS
- GUARDIAN/CONSERVATOR
- OTHER: _____

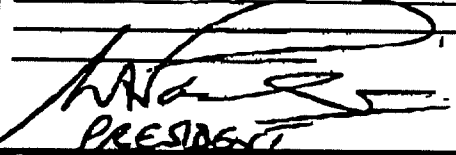
On 4/12/96 before me,
Patricia Waddy personally appeared
William A. Packer, personally known
to me -OR- proved to me on the basis of satisfactory
evidence to the person(s) whose name(s) is/are subscribed to
the within instrument and acknowledged to me that
he/she/they executed the same in his/her/their authorized
capacity(ies), and that by his/her/their signature(s) on the
instrument the person(s), or the entity upon behalf of which the
person(s) acted, executed the instrument.

SIGNER IS REPRESENTING:

NAME OF PERSON(S) OR ENTITY(IES)
VIRUS RESEARCH INSTITUTE, INC

Witness my hand and official seal.


SIGNATURE OF NOTARY


PRESIDENT

William A. Packer

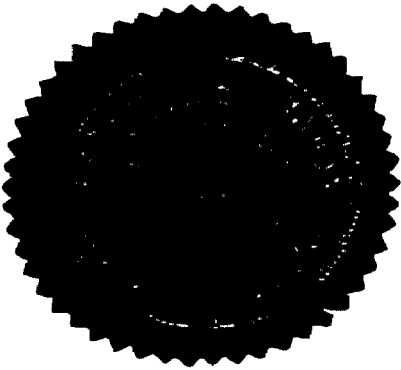


Exhibit "A" attached to that certain Collateral Assignment, Patent Mortgage and Security Agreement dated April, 2, 1996

EXHIBIT "A"
COPYRIGHTS

SCHEDULE A - ISSUED COPYRIGHTS

<u>COPYRIGHT DESCRIPTION</u>	<u>REGISTRATION NUMBER</u>	<u>DATE OF ISSUANCE</u>
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None

SCHEDULE B - PENDING COPYRIGHT APPLICATIONS

<u>COPYRIGHT DESCRIPTION</u>	<u>APPLICATION NUMBER</u>	<u>DATE OF FILING</u>	<u>DATE OF CREATION</u>	<u>FIRST DATE OF PUBLIC DISTRIBUTION</u>
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None

SCHEDULE C - UNREGISTERED COPYRIGHTS (Where No Copyright Application is Pending)

<u>NUMBER</u>	<u>DATE AND RECORDATION</u>	<u>ORIGINAL AUTHOR OR OWNER OF</u>	<u>OF ASSIGNMENT TO ASSIGNOR (IF ORIGINAL AUTHOR</u>
<u>OR</u>	<u>FIRST DATE</u>	<u>COPYRIGHT</u>	<u>OWNER OF</u>
<u>COPYRIGHT DESCRIPTION</u>	<u>DATE OF CREATION</u>	<u>OF DISTRIBUTION (IF DIFFERENT FROM ASSIGNOR)</u>	<u>(IF DIFFERENT FROM ASSIGNOR)</u>

None

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PATENT
REEL: 7922 FRAME: 0313

TRADEMARK
REEL: 002364 FRAME: 0076

Exhibit "B" attached to that certain Collateral Assignment, Patent Mortgage and Security Agreement dated April 2, 1996

EXHIBIT "B"
PATENTS

<u>PATENT</u> <u>DESCRIPTION</u> <u>DOCKET NO.</u> <u>COUNTRY</u> <u>SERIAL NO.</u> <u>FILING DATE</u> <u>STATUS</u>				
Hydrogel Microencapsulated Vaccines Adrianov, Jenkins, Payne, Roberts VRI100 (Notice of Allowance received)	USA	USSN 1/147,781	November 4, 1998	
Hydrophobic Polymeric Microparticles Andrianov, Langer VRI101 Patent # 5,500,161 (Issued: March 19, 1996)	USA	USSN 08/124,818	September 21, 1993	
Phosphazene Polyelectrolytes as Immunoadjuvants VRI102 Patent # 5,594,873 (Joint Interest with MIT) (Issued: February 27, 1998)	USA	USSN 09/090,841	February 27, 1998	
Phosphazene Polyelectrolyte Immunoadjuvants VRI103 Andrianov, Payne, Sargent, Sula (Pending)	USA	USSN 08/478,552	June 7, 1995	
HIV-1 Prophylactic Composition and Method Lu, Payne, Jenkins, Roberts (Pending)	USA	USSN 08/474,445	June 7, 1995	
Treatment and/or Prevention of <i>H. pylori</i> Infection Killean, et al (Pending)	USA	USSN 08/484,123	June 7, 1995	

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PATENT
REEL: 7922 FRAME: 0314

TRADEMARK
REEL: 002364 FRAME: 0077

Exhibit "C" attached to that certain Collateral Assignment, Patent Mortgage and Security Agreement dated April 2, 1996.

EXHIBIT "C"

TRADEMARKS

TRADEMARK DESCRIPTION	COUNTRY	SERIAL NO.	REG. NO.	STATUS
MICROMER™	USA		Unregistered	New application filed 3/18/96
ADJUMER™	USA		Unregistered	New application filed 3/18/96
ISOGENETIC™	USA	74/589348	Unregistered	Notice of Allowance dated 9/19/95
VIBRIOVEC™	USA	74/881775	Unregistered	Notice of Allowance dated 2/27/96
VIBRIOVAX™	USA	74/854211	Unregistered	Notice of Allowance dated 2/8/96

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Revised 9-22-84

RECORDED: 04/22/1996

PATENT 4
REEL: 7922 FRAME: 0315

** TOTAL PAGE.14 **

TRADEMARK

RECORDED: 09/04/2001

REEL: 002364 FRAME: 0078